

51. (Original) The method of claim 50, wherein the effect of the utilization of the subcomponents of at least one of the components of the candidate diagnosis by passing system tests on the weight of the candidate diagnosis is limited by a mathematical governor.

52. (Original) The method of claim 49, wherein only the utilization of the subcomponents by passing system tests is considered.

53. (Original) The method of claim 52, wherein the effect of the utilization of the subcomponents of at least one of the components of the candidate diagnosis by failing system tests on the weight of the candidate diagnosis is limited by a mathematical governor.

54. (Original) The method of claim 41, wherein the weight of the candidate diagnosis is also based on the replacement cost of the components of the candidate diagnosis.

55. (Original) The method of claim 54, wherein the effect of the replacement cost of the components of the candidate diagnosis on the weight of the candidate diagnosis is limited by a mathematical governor.

56. (Original) The method of claim 41, wherein the weight of the candidate diagnosis is also based on the failure rate of the components of the candidate diagnosis.